

IN THE CLAIMS:

1 1. (Currently Amended) A banknote dispensing device, comprising:

2 a banknote supply storing section for storing ~~one or more~~ banknotes;

3 a feed roller having a peripheral edge disposed adjacent to the banknote supply
4 storing section, the peripheral ~~edge~~ of the feed roller ~~for contacting a~~ contacts a surface of an
5 uppermost banknote in the banknote supply storing section and the peripheral edge is maintained
6 at a fixed position with the banknote supply storing section advancing a banknote to the fixed
7 position, the feed roller being driven by a one-way clutch attached to a driving shaft, the feed
8 roller discharging banknotes one at a time from the banknote supply storing section at a first
9 predetermined speed; and

10 a transporting unit for receiving a ~~discharged~~ the banknote from the banknote
11 supply storing section and transporting the ~~discharged~~ banknote at a second predetermined speed
12 from the banknote supply storing section, the second predetermined speed being faster than the
13 first predetermined speed, the transporting unit includes a first roller and a pressure roller in
14 contact at a periphery to form a passageway for the banknote while still in contact with the feed
15 roller;

16 wherein the feed roller discharges ~~[[a]]~~ the banknote at the first predetermined
17 speed while allowing the ~~discharged~~ banknote to be continuously pulled by the transporting unit
18 at the second predetermined speed.

1 2. (Original) The banknote dispensing device of Claim 1, further comprising:

2 a sensor for outputting a signal to indicate successful passage of a first banknote
3 through the transporting unit, wherein after a first banknote arrives at the sensor, a second

banknote is discharged from the banknote supply storing section at a predetermined time based on the rotating speed of the feed roller.

3. (Currently Amended) A banknote dispensing device, comprising:

- a banknote supply storing section for storing ~~one or more~~ banknotes;
- a feed roller having a peripheral edge disposed adjacent to the banknote supply storing section, ~~the peripheral edge of the feed roller for contacting a banknote in the banknote supply storing section~~ at a fixed position, the feed roller being driven by a one-way clutch attached to a driving shaft, the feed roller discharging banknotes one at a time from the banknote supply storing section at a first predetermined speed;
- a transporting unit for receiving ~~a discharged~~ banknote from the banknote supply storing section and transporting the ~~discharged~~ banknote at a second predetermined speed from the banknote supply storing section, the second predetermined speed being faster than the first predetermined speed,
- the transporting unit includes a first roller and pressure roller which have contact with their periphery to form a passageway for the banknote which has contact with the feed roller at the same time,
- wherein the feed roller discharges ~~the~~ the banknote at the first predetermined speed while allowing the ~~discharged~~ banknote to be continuously pulled by the transporting unit at the second predetermined speed;
- a first sensor for detecting the presence of ~~the~~ the banknote received by the transporting unit, the first sensor outputting a first signal to indicate the presence of the banknote adjacent to the first sensor;

21 a second sensor for detecting the presence of ~~[[a]] the~~ banknote as the banknote is
22 emitted by the transporting unit, the second sensor outputting a second signal to indicate the
23 presence of the banknote adjacent to the second sensor; and
24 a control unit for receiving and processing the first signal and the second signal,
25 the control unit comparing the timing of the first signal with the second signal to determine
26 whether ~~[[a]] the~~ banknote has properly passed through the transporting unit.

1 4. (Original) The banknote dispensing device of Claim 3,
2 wherein the banknote supply storing section is removable from the dispensing
3 device.

1 5. (Currently Amended) The banknote dispensing device of Claim 3, further
2 comprising:
3 a diverting unit for diverting ~~[[a]] the~~ banknote from a first path to a second path,
4 the first path being the normal banknote discharge path;
5 a rejected banknote storing section, the second path being the rejected banknote
6 storage path; and
7 a third sensor for detecting the presence of ~~[[a]] the~~ banknote adjacent the third
8 sensor, the third sensor outputting a third signal to indicate successful passage of the received
9 banknote through the transporting unit and to the rejected banknote storing section.

1 6. (Original) The banknote dispensing device of Claim 5,
2 wherein the banknote storing section and the rejected banknote storing section
3 comprise a removable safe unit.

7. (Currently Amended) A banknote dispensing device, comprising:

a removable safe unit, the removable safe unit including a banknote supply storing section for retaining a supply of banknotes;

a banknote discharge unit, the banknote discharge unit including a feed roller having a peripheral edge disposed at a fixed position adjacent to the banknote supply storing section, the peripheral edge of the feed roller for contacting a banknote in the banknote supply storing section, the feed roller being driven by a one-way clutch attached to a driving shaft driven by a first motor, the feed roller discharging banknotes one at a time from the banknote supply storing section at a first predetermined speed;

a transporting unit for receiving a ~~discharged~~ the banknote from the banknote supply storing section and transporting the ~~discharged~~ banknote at a second predetermined speed from the banknote supply storing section, the second predetermined speed being faster than the first predetermined speed, the banknote discharge unit feed roller discharging ~~the~~ banknote at the first predetermined speed while allowing the discharged banknote to be continuously pulled by the transporting unit at the second predetermined speed, the transporting unit being driven by a second motor;

an accumulating unit for receiving one or more ~~discharged~~ banknotes from the transporting unit, the accumulating unit having a package dispensing member for dispensing the accumulated ~~discharged~~ banknotes to a user; and

a control unit for controlling the operation of the first motor, the second motor, and the package dispensing member to dispense accumulated discharged banknotes to the user.

1 8. (Currently Amended) The banknote dispensing device of Claim 7, further
2 comprising:

3 a first sensor for detecting the presence of ~~[[a]]~~ the banknote received by the
4 transporting unit from the banknote discharge unit, the first sensor outputting a first signal to the
5 control unit indicating a predetermined property of the ~~discharged~~ banknote adjacent to the first
6 sensor; and

7 a second sensor for detecting a predetermined property of the banknote as the
8 banknote is passed to the accumulating unit of the dispensing device, the second sensor
9 outputting a second signal to the control unit indicating successful passage of the ~~received~~
10 banknote through the transporting unit into the accumulating unit,

11 wherein the control unit receives and processes the first signal and the second
12 signal, the control unit compares the timing of the first signal with the second signal to determine
13 whether each banknote has properly passed through the transporting unit to the accumulating
14 unit.

1 9. (Currently Amended) The banknote dispensing device of Claim 8, further
2 comprising:

3 a rejected banknote storing section for retaining rejected banknotes, the rejected
4 banknote storing section being included in the removable safe unit;

5 a diverting unit for selectively diverting ~~a-discharged~~ the banknote to the rejected
6 banknote storing section,

7 wherein the control unit determines from the first signal whether the ~~discharged~~
8 banknote is rejected, the control unit selectively activating the diverting unit for a rejected
9 ~~discharged~~ banknote.

1 10. (Currently Amended) The banknote dispensing device of Claim 9, further
2 comprising:

3 a third sensor for detecting the presence of ~~[[a]]~~ the banknote diverted by the
4 diverting unit, the third sensor outputting a third signal to the control unit indicating a
5 predetermined property of the ~~discharged~~ banknote adjacent to the third sensor,

6 wherein the control unit receives and processes the third signal, the control unit
7 compares the timing of the first signal with the third signal to determine whether each rejected
8 banknote has properly passed through the transporting unit to the rejected banknote storing
9 section.

1 11. (New) A banknote dispensing device comprising:

2 a removable safe unit, the removable safe unit including a banknote supply
3 storing section for retaining a supply of banknotes,

4 a banknote discharge unit, the banknote discharge unit including a cavity where
5 the removable safe unit is attached, a banknote discharge unit, a banknote transporting unit, and
6 an accumulating unit,

7 the banknote discharge unit is located above the cavity and includes a feed roller
8 having a peripheral edge disposed adjacent to the banknote supply storing section, the peripheral
9 edge of the feed roller for contacting a banknote in the banknote supply storing section in fixed
10 situation, the feed roller being driven by a one-way clutch attached to a driving shaft by a first

11 motor, the feed roller discharging banknotes one at a time from the banknote supply storing
12 section at a first predetermined speed,
13 the banknote transporting unit is located at a side of the cavity for receiving a
14 banknote from the banknote supply storing section and transporting the banknote at a second
15 predetermined speed from the banknote supply storing section,
16 the second predetermined speed being faster than the first predetermined speed,
17 the discharging of a banknote at the first predetermined speed while allowing the discharged
18 banknote to be continuously pulled by the transporting unit at the second predetermined speed,
19 the transporting unit being driven by a second motor;
20 the accumulating unit is located below the cavity for receiving one or more
21 banknotes from the transporting unit, the accumulating unit having a package dispensing
22 member for dispensing the accumulated banknotes to a user; and
23 a control unit for controlling the operation of the first motor, the second motor,
24 and the package dispensing member to dispense accumulated banknotes to the user.

1 12. (New) The banknote dispensing device of Claim 11,
2 wherein the banknote supply storing section is inclined at an angle to allow
3 banknotes to be stored in a shorter longitudinal length, and the front part of the banknote is lower
4 to the discharge direction of the banknote, and the feed roller is located relative to the inclined
5 storing section.

1 13. (New) The banknote dispensing device of Claim 11,
2 a first sensor for detecting the presence of the banknote received by the
3 transporting unit from the banknote discharge unit, the first sensor outputting a first signal to the
4 control unit indicating a predetermined property of the banknote adjacent to the first sensor; and
5 a second sensor for detecting a predetermined property of the banknote as the
6 banknote is passed to the accumulating unit of the dispensing device, the second sensor
7 outputting a second signal to the control unit indicating successful passage of the banknote
8 through the transporting unit into the accumulating unit,
9 wherein the control unit receives and processes the first signal and the second
10 signal, the control unit compares the timing of the first signal with the second signal to determine
11 whether each banknote has properly passed through the transporting unit to the accumulating
12 unit.

1 14. (New) The banknote dispensing device of Claim 13, further comprising;
2 a rejected banknote storing section for retaining rejected banknotes, the rejected
3 banknote storing section being included in the removable safe unit,
4 a diverting unit for selectively diverting a discharged banknote to the rejected
5 banknote storing section,
6 wherein the control unit determines from the first signal whether the discharged
7 banknote is rejected, the control unit selectively activating the diverting unit for a rejected
8 discharged banknote.

1 15. (New) The banknote dispensing device of Claim 14, further comprising:

2 a third sensor for detecting the presence of a banknote diverted by the diverting
3 unit, the third sensor outputting a third signal to the control unit indicating a predetermined
4 property of the banknote adjacent to the third sensor,

5 wherein the control unit receives and processes the third signal, the control unit
6 compares the timing of the first signal with the third signal to determine whether each rejected
7 banknote has properly passed through the transporting unit to the rejected banknote storing
8 section.